

PATENT COOPERATION TREATY

REC'D 19 APR 2005

WIPO PCT

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/DK2005/000008

International filing date (day/month/year)
10.01.2005

Priority date (day/month/year)
09.01.2004

International Patent Classification (IPC) or both national classification and IPC
E06B1/38, E06B3/66

Applicant
FIBERLINE AS

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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Authorized Officer

Verdonck, B

Telephone No. +31 70 340-2110



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/DK2005/000008

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
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International application No.
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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	1-19
Inventive step (IS)	Yes: Claims	
	No: Claims	1-19
Industrial applicability (IA)	Yes: Claims	
	No: Claims	1-19

2. Citations and explanations

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:
D1 : US 6 401 428 B1
D2 : US 6 591 557 B1

2 INDEPENDENT CLAIM 1

- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.
Document D1 discloses (the references in parentheses applying to this document, in particular figures 17 and 2):

a building element comprising:

a glass panel (33) defining an outer circumferential rim including at least two rectilinear segments, a first one of which defines a first length and a second one of which defines a second length, said glass panel having a specific coefficient of thermal expansion,

a first pultruded element (144) having a length corresponding to said first length,
a second pultruded element (144) having a length corresponding to said first length,
said first and second pultruded elements being adhered in a high strength integral adhesion (48) to said hardened glass panel (33) along said first and second rectilinear segments, respectively, and said pultruded elements having a content of reinforcing fibres for providing a coefficient of thermal expansion of said pultruded elements substantially corresponding to said specific coefficient of thermal expansion (see col.2, lines 19-67).

- 2.2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.
Document D2 discloses (the references in parentheses applying to this document, in particular to figure 2):

a building element comprising:

a glass panel (32) defining an outer circumferential rim including at least two

rectilinear segments, a first one of which defines a first length and a second one of which defines a second length, said glass panel having a specific coefficient of thermal expansion,
a first pultruded element (30) (see col.4, lines 40-47) having a length corresponding to said first length,
a second pultruded element (30) having a length corresponding to said first length, said first and second pultruded elements being adhered in a high strength integral adhesion (34) (see col.2, lines 59-62) to said hardened glass panel (32) along said first and second rectilinear segments, respectively.
Given the vagueness of the word 'substantially' in claim 1, it is considered that the pultruded elements of D2 are having a content of reinforcing fibres for providing a coefficient of thermal expansion of said pultruded elements substantially corresponding to said specific coefficient of thermal expansion.

3 INDEPENDENT CLAIM 15

- 3.1 The subject-matter of claim 15 is not new in the sense of Article 33(2) PCT, because the method of claim 15 is a straightforward method of producing the building element of claim 1 and is therefore considered to be disclosed in D1 and D2.

4 DEPENDENT CLAIMS 2-14, 16-19

Dependent claims 2-14, 16-19 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty (Article 33(2) PCT), as all these features are present in D1.

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INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/DK2005/000008

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	1-19
Inventive step (IS)	Yes: Claims	
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a first pultruded element (144) having a length corresponding to said first length, a second pultruded element (144) having a length corresponding to said first length, said first and second pultruded elements being adhered in a high strength integral adhesion (48) to said hardened glass panel (33) along said first and second rectilinear segments, respectively, and said pultruded elements having a content of reinforcing fibres for providing a coefficient of thermal expansion of said pultruded elements substantially corresponding to said specific coefficient of thermal expansion (see col.2, lines 19-67).

- 2.2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

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rectilinear segments, a first one of which defines a first length and a second one of which defines a second length, said glass panel having a specific coefficient of thermal expansion,

a first pultruded element (30) (see col.4, lines 40-47) having a length corresponding to said first length,

a second pultruded element (30) having a length corresponding to said first length, said first and second pultruded elements being adhered in a high strength integral adhesion (34) (see col.2, lines 59-62) to said hardened glass panel (32) along said first and second rectilinear segments, respectively.

Given the vagueness of the word 'substantially' in claim 1, it is considered that the pultruded elements of D2 are having a content of reinforcing fibres for providing a coefficient of thermal expansion of said pultruded elements substantially corresponding to said specific coefficient of thermal expansion.

3 INDEPENDENT CLAIM 15

- 3.1 The subject-matter of claim 15 is not new in the sense of Article 33(2) PCT, because the method of claim 15 is a straightforward method of producing the building element of claim 1 and is therefore considered to be disclosed in D1 and D2.

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